

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

Claims 1-36 (Cancelled).

37. (Currently Amended) A communication terminal apparatus, comprising a plurality of layers hierarchically classified depending on different processing functions, said apparatus comprising:

a processing unit belonging to a predetermined layer;

a plurality of processing units belonging to a lower layer than said predetermined layer;

and

a processing unit belonging to an upper layer than said predetermined layer;

an operation control unit for controlling operation of said processing unit belonging to said predetermined layer, said operation control unit belonging to said predetermined layer;

an operation control unit for controlling operation of said processing unit belonging to said lower layer, said operation control unit belonging to said lower layer; and

an operation control unit for controlling operation of said processing unit belonging to said upper layer, said operation control unit belonging to said upper layer.

wherein said processing unit belonging to said predetermined layer comprises a data distributor for distributing one supplied data and for outputting a plurality of data,

wherein said processing unit belonging to said predetermined layer can selectively use said plurality of processing units belonging to said lower layer through control of said operation control unit belonging to said predetermined layer,

wherein said operation control unit belonging to said lower layer notifies, to said ~~the~~ operation control unit belonging to said predetermined ~~lower~~ layer, availability information indicating whether each of said plurality of processing units belonging to said lower layer is available or not,

wherein said operation control unit belonging to said predetermined layer notifies said availability information to said operation control unit belonging to said upper layer, and

said data distributor divides said one data supplied from said processing unit belonging to said upper layer through the control of said operation control unit belonging to said predetermined layer, and a plurality of data after dividing are selectively supplied to said plurality of processing units belonging to said lower layer.

38. (Previously Presented) The communication terminal apparatus according to claim 37, wherein said operation control unit belonging to said predetermined layer controls a distribution ratio of a plurality of data after said dividing supplied to one or more of the available processing units belonging to said lower layer by said data distributor.

39-42. (Canceled).

43. (Currently Amended) The communication terminal apparatus according to claim 37,
~~39, wherein said apparatus comprises:~~

~~a processing unit belonging to a upper layer of said predetermined layer;~~

~~an operation control unit for controlling operation of said processing unit belonging to a
upper layer of said predetermined layer, said operation control unit belonging to said upper layer;
and~~

wherein said operation control unit belonging to said lower layer further notifies, to said
operation control unit belonging to said predetermined layer, band information to indicate a band
securable in communication using each of said plurality of processing units belonging to said
lower layer, and route information to indicate a connection target connectable in the
communication using each of said plurality of processing units belonging to said lower layer
when said processing unit is available,

wherein said operation unit belonging to said predetermined layer determines which
processing unit belonging to said lower layer is connectable to a desired connection target based
on the route information,

wherein said processing unit belonging to said predetermined layer can selectively use
said plurality of processing units belonging to said lower layer that is connectable to the desired
connection target, through control of said operation control unit belonging to said predetermined
layer, and

wherein said operation control unit belonging to said predetermined layer notifies said
band information and/or said route information in addition to said availability information to said
operation control unit belonging to said upper layer

44. (Previously Presented) The communication terminal apparatus according to claim 43, wherein said processing unit belonging to said predetermined layer comprises a data distributor for distributing a single supplied data and for outputting a plurality of data; and

said data distributor divides said single data supplied from said processing unit belonging to said upper layer through control of said operation control unit belonging to said predetermined layer and supplies a plurality of data after dividing to said plurality of processing units belonging to said lower layer.

45. (Previously Presented) The communication terminal apparatus according to claim 44, wherein said operation control unit belonging to said predetermined layer refers to said band information and/or said route information, and controls distribution ratio of a plurality of data after said dividing to be supplied by said data distributor to one or more available processing units belonging to said lower layer.

46. (Currently Amended) The communication terminal apparatus according to claim 37 ~~any one of claims 37, 38 and 43 to 45~~, wherein said processing unit belonging to said predetermined layer comprises a data unifying section for unifying a plurality of supplied data and outputting one data; and

said data unifying section unifies said plurality of data supplied from said plurality of processing units belonging to said lower layer and supplies one data after unification to said processing unit belonging to said upper layer.

47. (Previously Presented) The communication terminal apparatus according to claim 46, wherein said operation control unit belonging to said predetermined layer controls sequence of a plurality of data after dividing as outputted from said data distributor or controls sequence of a plurality of data from said lower layer unified by said data unifying section.

48. (Currently Amended) A communication control method in a communication terminal apparatus, comprising a plurality of layers hierarchically classified depending on different processing functions, wherein an operation control unit belonging to a predetermined layer among said plurality of layers selectively utilizes a plurality of processing units belonging to a lower layer than said predetermined layer and performs communication when said communication terminal apparatus carries out communication, the communication control method comprising:

a step in which an operation control unit belonging to said lower layer controls so that availability information is notified to said operation control unit belonging to said predetermined layer, said information indicating whether it is possible or not to utilize each of said plurality of processing units belonging to said lower layer;

a step in which said ~~an~~ operation control unit belonging to said predetermined layer controls so that said availability information is notified to an ~~the~~ operation control unit belonging to an upper layer of said predetermine layer; and

a step in which a ~~said~~ processing unit belonging to said predetermined layer divides said one data supplied from a ~~the~~ processing unit belonging to said upper layer and controls so that a

plurality of data after dividing is selectively supplied to said plurality of processing units belonging to said lower layer.

49. (Previously Presented) The communication control method according to claim 48, further comprising a step in which said operation control unit belonging to said predetermined layer controls a distribution ratio of a plurality of data after said dividing to be supplied to one or more available processing units belonging to said lower layer by said processing unit of said predetermined layer.

50-53. (Canceled).

54. (Currently Amended) The communication control method according to claim 48 50, further comprising:

a step in which said operation control unit belonging to said lower layer further notifies, to said operation control unit belonging to said predetermined layer, band information to indicate a band securable in communication using each of said plurality of processing units belonging to said lower layer, and route information to indicate connection target connectable in the communication using each of said plurality of processing units belonging to said lower layer when said processing unit is available,

a step in which said operation unit belonging to said predetermined layer determines which processing unit belonging to said lower layer is connectable to a desired connection target based on the route information,

a step in which said processing unit belonging to said predetermined layer can selectively use said plurality of processing units belonging to said lower layer that is connectable to the desired connection target, through control of said operation control unit belonging to said predetermined layer, and

a step in which said operation control unit belonging to said predetermined layer controls so that said band information and/or said route information is notified in addition to said availability information to said the operation control unit belonging to said an upper layer ~~of said predetermined layer.~~

55. (Previously Presented) The communication control method according to claim 54, further comprising a step in which said processing unit belonging to said predetermined layer divides said one data supplied from the processing unit belonging to said upper layer and controls so that a plurality of data after said dividing is selectively supplied to said plurality of processing units belonging to said lower layer.

56. (Previously Presented) The communication control method according to claim 55, further comprising a step in which said operation control unit belonging to said predetermined layer refers to said band information and/or said route information and controls distribution ratio of a plurality of data after said dividing supplied to one or more available processing units belonging to said lower layer by said processing unit of said predetermined layer.

57. (Currently Amended) The communication control method according to claim 48 ~~any one of claims 48, 49 and 54 to 56~~, further comprising a step in which said processing unit belonging to said predetermined layer unifies said plurality of data supplied from said plurality of processing units belonging to said lower layer and controls so that one data after said dividing is supplied to said processing unit belonging to said upper layer.

58. (Previously Presented) The communication control method according to claim 57, further comprising a step in which said operation control unit belonging to said predetermined layer controls sequence of a plurality of data after said dividing as outputted from the processing unit belonging to said predetermined layer or controls sequence of a plurality of data from said lower layer unified by said processing unit belonging to said predetermined layer.